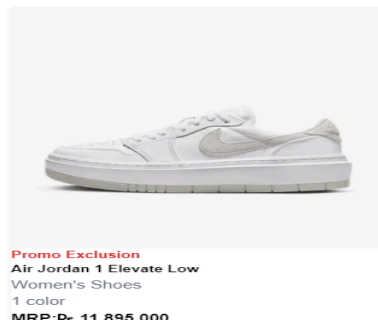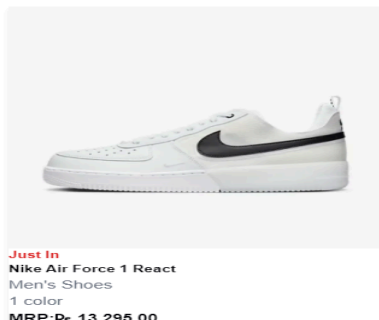# DAY 5: HACKATHON 3

" Testing, Error Handling, and Backend Integration Refinement"

Key Areas of Focus:

1. Functional Testing:(Postman Library)

Test Case ID:	TC001
Test Case Description:	Validate product listing page
Test Steps:	Open product page > Verify products
Expected Result:	Products displayed correctly
Actual Result:	Products displayed correctly
Status:	Passed
Severity Level:	Low
Assigned To:	-
Remarks:	No issues found

Just In
Nike Air Force 1 Mid'07
Men's Shoes
1 color
MRP:₨ 10 795.00

Just In
Nike Court Vision Low Next Nature
Men's Shoes
1 color
MRP:₨ 4 995.00

Just In
Nike Air Force 1 PLATFORM
Women's Shoes
1 color
MRP:₨ 8 695.00

Just In
Nike Air Force 1 React
Men's Shoes
1 color
MRP:₨ 13 295.00

Promo Exclusion
Air Jordan 1 Elevate Low
Women's Shoes
1 color
MRP:₨ 11 895.000

Just In
Nike Air Force 1 Mid'07
Men's Shoes
1 color
MRP:₨ 10 795.00

2. Error Handling:

Errors can be handled either by displaying a fallback UI or by providing an error message using a try-catch block.
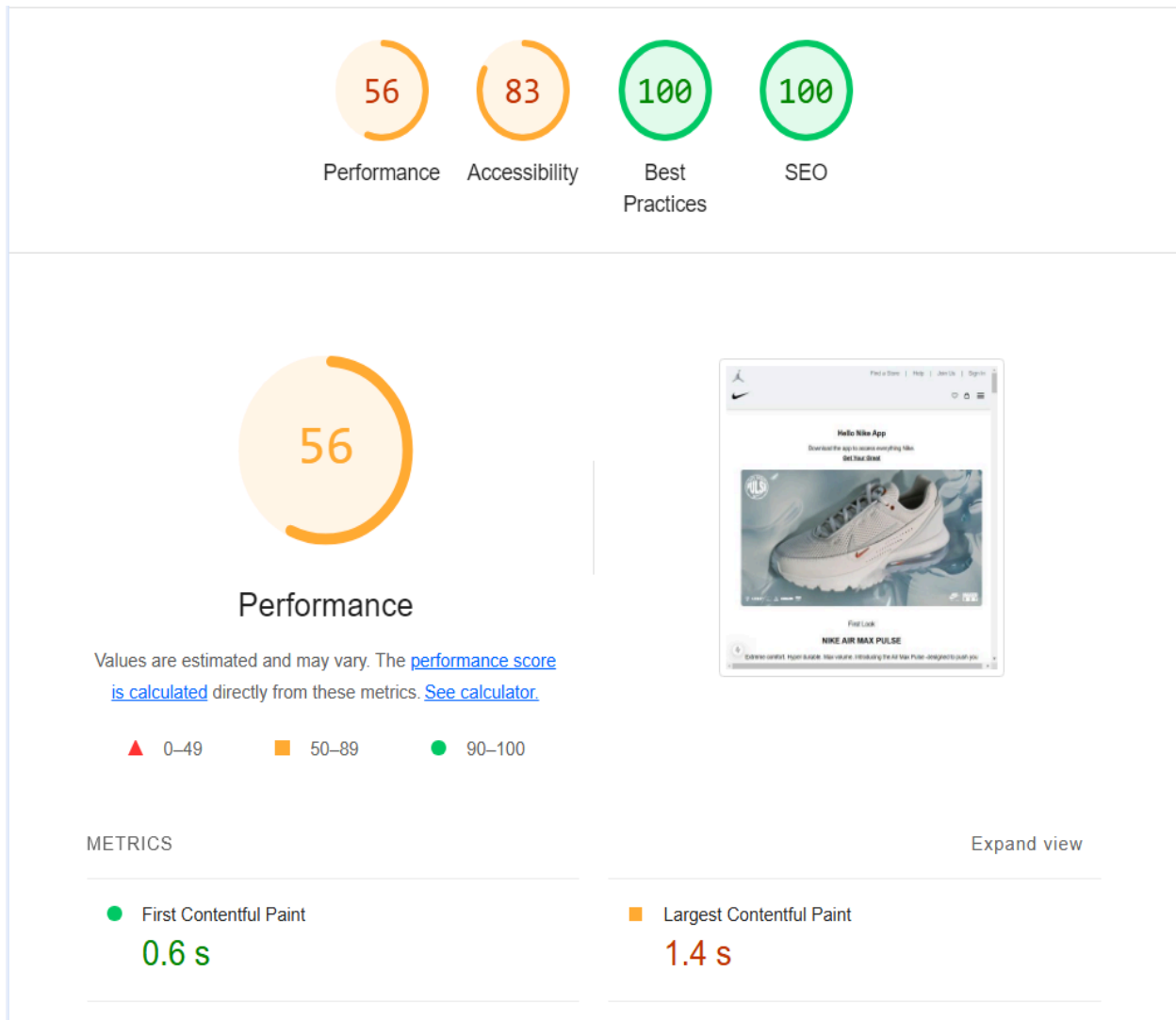
When to Use Fallback UI:

1. **Error Boundaries**: When a component crashes in a React application.
2. **Loading States**: When data is being fetched and not yet available.
3. **Empty States**: When a search or data query returns no results.
4. **Offline or Network Issues**: When the user has no internet connection.
5. **Broken Links or 404 Pages**: When a requested resource or route is not found.

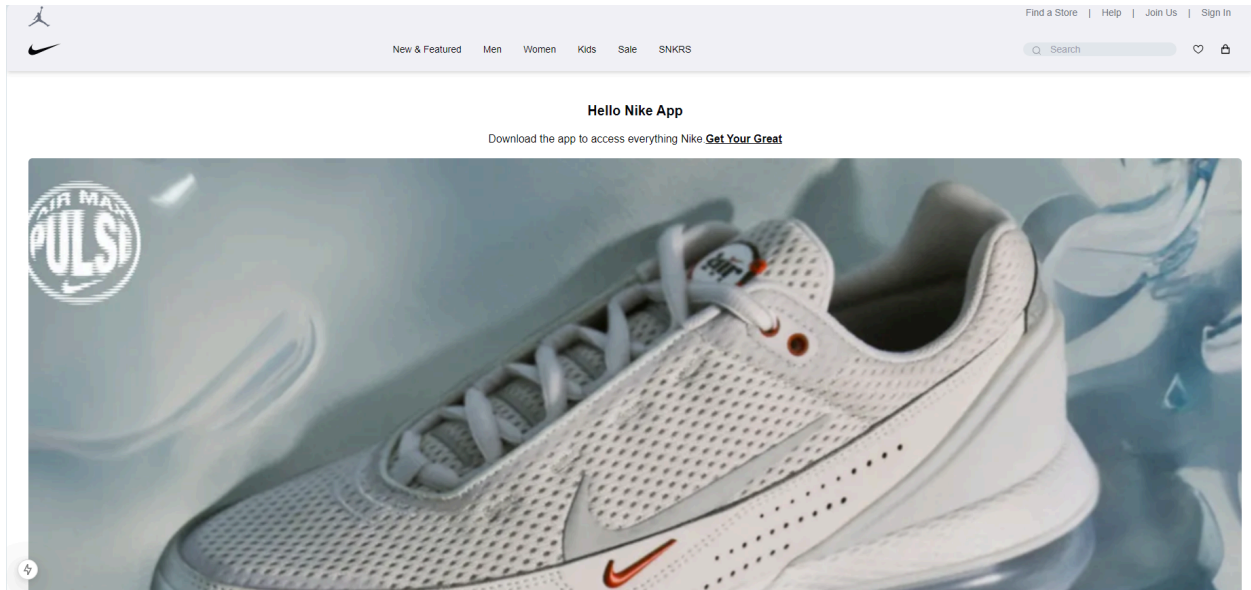|	
Test Case ID:	TC002
Test Case Description:	Test API error handling
Test Steps:	Disconnect API > Refresh page
Expected Result:	Show fallback UI with error message
Actual Result:	Error message shown
Status:	Passed
Severity Level:	Medium
Assigned To:	-
Remarks:	Handled gracefully

3. Performance Optimization:
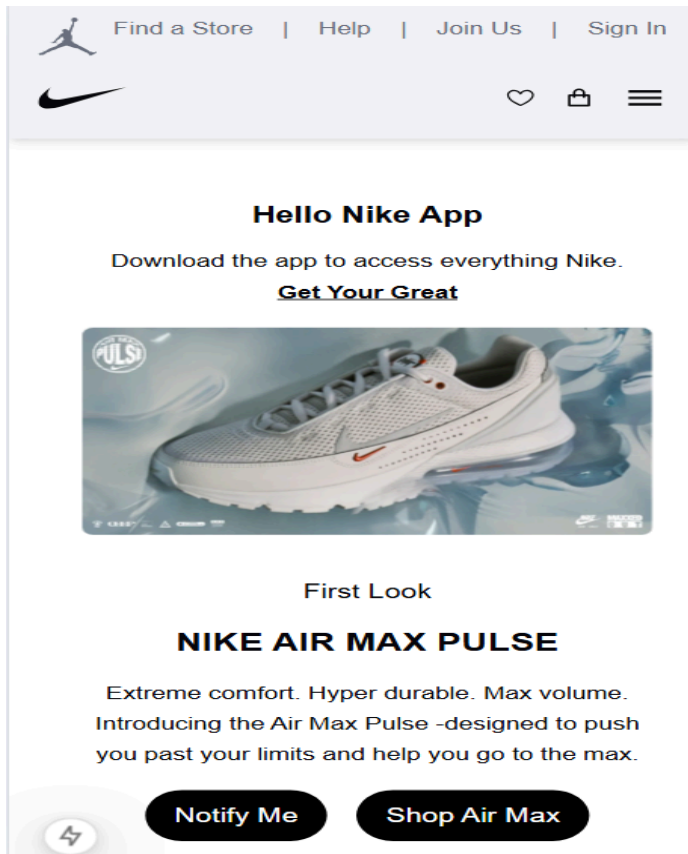
Test Case ID:	TC004

4. Cross Check:

- **Browser Testing:** Test on Chrome, Firefox, and Edge.

Test Case ID:	TC004
Test Case Description:	Cross Browsing
Test Steps:	Test on Chrome, Firefox, and Edge
Expected Result:	Working correctly on every browser
Actual Result:	Working correctly on every browser
Status:	Passed
Severity Level:	Low
Assigned To:	-
Remarks:	Successful

5. *Responsiveness:* (mobile screen)

Test Case ID:	TC005
Test Case Description:	Ensure responsiveness on mobile
Test Steps:	Resize browser window > Check layout
Expected Result:	Layout adjusts properly to screen size
Actual Result:	Responsive layout working as intended
Status:	Passed
Severity Level:	Medium
Assigned To:	-
Remarks:	Test successful

6. Searchbar:

air m

Just In
Nike Air Max SC
Men's Shoes
2 color
MRP:₨ 5 995.00

Just In
Nike Air Max SYSTM
Older Kids' Shoes
1 color
MRP:₨ 6 495.00

Test Case ID:	TC006
Test Case Description:	Validate Seachbar
Test Steps:	Searching items which are in sanity
Expected Result:	Showing Product > related to the prompt
Actual Result:	The dropdown does not display results for irrelevant searches.
Status:	Passed
Severity Level:	Medium
Assigned To:	-
Remarks:	Test successful

7. Product Detail:

Just In

Nike Air Max SC

Type: Men's Shoes

Price: 5 995.00

Color: 2 color

Add to Cart

Remove From Cart

Test Case ID:	TC007
Test Case Description:	Validate Product Detail
Test Steps:	Open all-Product page > click on any product
Expected Result:	Open Dynamic Product Detail page
Actual Result:	Open Dynamic Product Detail page
Status:	Passed
Severity Level:	Low
Assigned To:	-
Remarks:	Successful

Final Checklist:

Functional Testing:	Error Handling:	Performance Optimization:	Cross Check:	Responsiveness:	Searchbar:	Product Detail:
✔	✔	✔	✔	✔	✔	✔